

METHOD OF DETECTING CRACKS IN JET PUMP BEAMS OF A NUCLEAR REACTOR

Abstract of Disclosure

A method of inspecting a jet pump beam in a nuclear reactor is provided. The reactor includes at least one jet pump assembly with each jet pump assembly including at least one jet pump beam. Each jet pump beam includes a beam bolt opening, a first arm, a second arm, a top surface, and a bottom surface. In an exemplary embodiment, the method includes positioning at least one ultrasonic phased array probe adjacent the bottom surface of the jet pump beam, and scanning the jet pump beam with the at least one ultrasonic phased array probe.

Figures